

Converting Colors

$Y_{xy}(15.1207, 0.3070, 0.4332)$

Have a look what the booklet for
Yxy(15.1207, 0.3070, 0.4332)
contains.

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Color

$Y_{xy}(15.1975, 0.3078, 0.4344)$

Conversions

Conversions Part 1

Format	Color
Hex	4B774B
RGB	75, 119, 75
RGB Percent	29%, 47%, 29%
CMY	0.7059, 0.5333, 0.7059
CMYK	0.37, 0.00, 0.37, 0.53
HSL	120°, 23%, 38%
HSV	120°, 37%, 47%
XYZ	10.7684, 15.1975, 9.0191
YIQ	100.8280, -12.1000, -23.0120

Conversions

Conversions Part 2

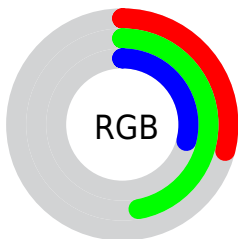
Format	Color
RYB	75, 119, 119
Decimal	4945739
CIELab	45.90, -24.89, 19.55
CIELCh	46, 31.645, 141.851
Yxy	15.1975, 0.3078, 0.4344
Android (android.graphics.Color)	4283135819 (0xFF4B774B)
YUV	100.8280, -12.7332, -22.6512
Hunter-Lab	38.9840, -18.9156, 13.5717

Details

The Yxy color **15.1975, 0.3078, 0.4344** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **10.2821, 0.3167, 0.2422**, and the grayscale version is **13.0033, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3959, 0.3108, 0.4075**, and **4.7071, 0.3006, 0.4919** is the 20% darker color. If you saturate the color by 10%, you get **14.6145, 0.3062, 0.4684**, and if you desaturate by 10%, it is **15.9019, 0.3093, 0.4020**.

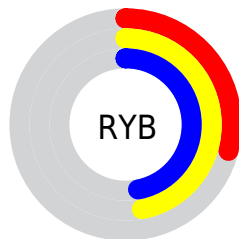
Distribution



Red (29%)

Green (47%)

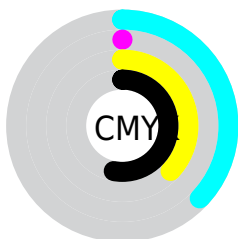
Blue (29%)



Red (29%)

Yellow (47%)

Blue (47%)

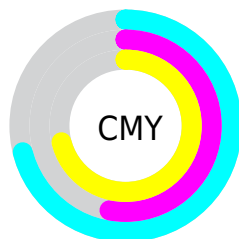


Cyan (37%)

Magenta (0%)

Yellow (37%)

Black (53%)



Cyan (71%)


Magenta (53%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.1975, 0.3078, 0.4344 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 15.1975, 0.3078, 0.4344 by changing the saturation by 10% instead.


 15.1975, 0.3078,
0.4344


 15.1975, 0.3078,
0.4344


224.5585, 0.3124,
0.3691

 8.9581, 0.3051,
0.4572


 35.1993, 0.3103,
0.4066

 4.7139, 0.2998,
0.4922

 49.7305, 0.3110,
0.3975

 2.0804, 0.2923,
0.5597

 67.7944, 0.3114,
0.3903

 0.6536, 0.0205,
0.9795

 89.7754, 0.3117,
0.3845

 0.0000, 0.0000,
0.0000

 116.0579, 0.3120,
0.3796

147.0264, 0.3121,

0.3756

183.0651, 0.3123,
0.3721

■ 15.1975, 0.3078,
0.4344

■ 15.1975, 0.3078,
0.4344

■ 14.6145, 0.3062,
0.4684

■ 15.9019, 0.3093,
0.4020

■ 14.1444, 0.3046,
0.5025

■ 16.7320, 0.3107,
0.3723

■ 13.7803, 0.3031,
0.5343


■ 17.6943, 0.3119,
0.3457

■ 13.5141, 0.3018,
0.5616


■ 18.7940, 0.3130,
0.3223


■ 13.3362, 0.3009,
0.5821


■ 20.0364, 0.3140,
0.3019

 13.2256, 0.3002,
0.5959

 21.4263, 0.3148,
0.2842

 13.1946, 0.3000,
0.6000

 22.9683, 0.3155,
0.2689

 24.6668, 0.3161,
0.2558

 26.5261, 0.3166,
0.2445

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



15.1975, 0.3698, 0.4455



15.1975, 0.3078, 0.4344



15.1975, 0.2503, 0.3830

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



15.1975, 0.3078, 0.4344



15.1975, 0.2121, 0.2348



15.1975, 0.4239, 0.3261

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



15.1975, 0.3078, 0.4344



10.2821, 0.3167, 0.2422

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



15.1975, 0.3727, 0.2811



15.1975, 0.3078, 0.4344



15.1975, 0.2493, 0.2304

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



15.1975, 0.3078, 0.4344



15.1975, 0.1992, 0.2633



15.1975, 0.3070, 0.2472



15.1975, 0.4407, 0.3751

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



15.1975, 0.3078, 0.4344



15.1975, 0.2220, 0.3382



15.1975, 0.3070, 0.2472



15.1975, 0.4100, 0.3103

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



15.1981, 0.3078, 0.4344



30.9156, 0.3114, 0.3567



17.4501, 0.3659, 0.4150



7.2832, 0.3113, 0.3596



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.1981, 0.3078, 0.4344



26.3494, 0.3065, 0.4620



15.5387, 0.2857, 0.3820



4.0983, 0.3117, 0.3509



14.0180, 0.3000, 0.6000



68.3100, 0.3000, 0.6000

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



10.2821, 0.3167, 0.2422



16.2382, 0.3176, 0.2243



9.8286, 0.3531, 0.2818



3.7578, 0.3137, 0.3081



5.5768, 0.3208, 0.1541



27.1750, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 15.1975, 0.3078, 0.4344 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 15.1975, 0.3078, 0.4344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.1975, 0.3078, 0.4344

Background



This preview shows how black text looks on a background with the Yxy color 15.1975, 0.3078, 0.4344.



This preview shows how white text looks on a background with the Yxy color 15.1975, 0.3078, 0.4344.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

15.1975, 0.3078, 0.4344

Protanopia

15.0316, 0.3763, 0.4048

Deuteranopia

15.0399, 0.3848, 0.3800



Tritanopia

15.1002, 0.2678, 0.3094

Trichromacy



Original Color

15.1975, 0.3078, 0.4344

Protanomaly

14.8810, 0.3488, 0.4172

Deuteranomaly

14.7243, 0.3543, 0.3978

Tritanomaly

15.0307, 0.2825, 0.3517

Monochromacy



Original Color

15.1975, 0.3078, 0.4344

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.7731, 0.3110, 0.3658

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1975, 0.3078, 0.4344 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(75, 119, 75)` looks like.

```
.text, #text, p{  
    color:rgb(75, 119, 75)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(75, 119, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 119, 75) }
```

Border

The CSS property to change the border of an element to Yxy 15.1975, 0.3078, 0.4344 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(75, 119, 75) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(75, 119, 75) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(75, 119, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 119, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 119, 75);  
box-shadow:4px 4px 4px 4px rgb(75, 119,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 15.1975, 0.3078, 0.4344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 119, 75) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(75, 119,  
75) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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